exposure surface

bimodal grain size is

bimodal grain size is

bimodal grain size is

slight change in foreset lamination

good toe of dune

alternating finer and coarser bands

no dune toes observable

fine grained avalanche(?) band deposits

avalanche band

toe of dune

bimodal lamination

LTC

(?)

LTC

LTC

STC

RWE

RWE

planar lamination (toe

bimodal grain size from upper fine to upper

bimodal lamination

good toe of dune

high angle trough cross-stratification

massive bedded

medium sandstone

indication of planar

chunks of sandstone;

one chunk has coarse grains

Base of Core

lamination

upper fine sandstone with two laminee of upper

medium

from upper fine and upper

of dune)

medium

massive

no core

fault(?)

conjugate fracture set -

inclined (closed fractures)

Explanation

Sandstone

Mudstone

Sandy Limestone

Bedding and Sedimentary Structures

Foreset Lamination

Avalanche Deposit

Planar Lamination

Wispy/Wavy Laminae

Sandstone Fragments

LTC - Large Trough Cross-Stratification STC - Small Trough Cross-Stratification RWE - Reworked Eolian

Massive

Bedding Plane Scoured/Unconformity

Contacts

⇒ Fault

Navajo Facies

Interdune

Diagenesis

WAM - Wavy Algal Mat SAM - Sandy Algal Mat

Fractures

Deformation Bands

Alteration (Dolomitization)

Trough Cross-Stratification

Granular Sandstone

Lithology

one en echelon; one

deformation bands

fracture mosaic (chicken wire)

is obvious

LTC

open fracture

STC(?)

LTC

deformation band(?),

fractures

fragments with different orientation,

suspect something structural here

obvious

obvious

obvious

open fault

conjugate fractures

LTC

11

6781

6782-

6783-

6784

6785-

6786-

6787-

6788-

6789-

6790-

6791

6793-

6794

6795-

6796-

6797

6798

6799-

6800-

6801

6802-

6803-

6804 -

6805-

6806-

6807-

6808

6809-

6810-

6811

6812-

6813-

6814-

6815-

6816-

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6824 -

6825-

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6828-

6829-

6830 -

6831-

6832-

6833-

3

2

Sharp

8

10

Slightly sharp (not knife edge – a bit fuzzy)